

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	13	((maher with kalaji) (peter with williams) (christopher with gwenin)).in. and \$reductase\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/13 10:57
S2	17	nitroreductase with nfnb	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/13 11:34
S3	3442	204/403.01-403.15.ccls. 205/777.5-781.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 08:43
S4	1	S3 and nitroreductase\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 08:43
S6	45	"5972638"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 08:47
S7	14369	204/193-194,400-435.ccls. 205/777.5-799.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 08:59
S8	1	S7 and nitroreductase\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 08:59
S9	1	S7 and nitro\$4ductase\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 08:59
S10	0	S7 and nitro adj reductase\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 08:59
S11	1	S7 and nitro\$reductase\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 08:59
S12	2	("5977354").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 09:02
S13	38	S7 and ((nitrate near2 (reductase reduction)) nitratereduct\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 09:25

S14	12	S7 and ((nitrite near2 (reductase reduction)) nitratereduct\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 09:34
S15	11	S7 and ((nitrite near2 (reductase reduction)) nitratereduct\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 09:34
S16	706	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4) near5 (nitro nitrite nitrate explosive\$1) and (((nitrate nitrite nitro) near2 reductase) ((nitrate nitrite nitro) adj reductase))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 09:37
S17	706	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 (nitro nitrite nitrate explosive\$1) and (((nitrate nitrite nitro) near2 reductase) ((nitrate nitrite nitro) adj reductase))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 09:38
S18	30	S17 and electrode\$1 with enzyme\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 09:38
S19	2	10/133635	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 11:21
S20	59	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 (nitro explosive\$1) and (((nitrate nitrite nitro) near2 reductase) ((nitrate nitrite nitro) adj reductase))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 13:41
S21	215	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 (analyte\$1 substance\$1 gas\$3) and (nitroreductase\$1 (nitro adj reductase\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 13:48
S22	5	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 (analyte\$1 substance\$1 gas\$3) and (nitroreductase\$1 (nitro adj reductase\$1)) and electrode\$1 with (platinum palladium gold silver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 13:48
S23	87	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 (analyte\$1 substance\$1 gas\$3) and (nitroreductase\$1 (nitro adj reductase\$1)) near5 enzyme\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 13:51
S24	1	1995-250737.NRAN.	DERWENT	OR	OFF	2010/04/26 13:51
S25	7	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 "no.sub.2" and (nitroreductase\$1 (nitro adj reductase\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 13:53
S26	26	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 "no.sub.2" same enzyme\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 13:55
S27	28	nitrate near2 reductase\$1 with ((nitrogen near1 oxide\$1) nitro	US-PGPUB; USPAT;	OR	OFF	2010/04/26 13:58

		"no.sub.2")	EPO; JPO; DERWENT			
S28	3442	204/403.01-403.15.ccls. 205/777.5-781.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:01
S29	165	S28 and (nitro rdx tnt)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:01
S30	17	S28 and (detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 (nitro rdx tnt)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:01
S31	995	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 (rdx tnt trinitrotoluene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:09
S32	151	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 (nitroaromatic (nitro adj aromatic))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:23
S33	8	("204"/\$.ccls. "205"/\$.ccls.) and S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:23
S34	10	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 (nitroaromatic (nitro adj aromatic)) and electrode\$1 and enzyme\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:25
S35	60	nitrous near2 oxide\$1 near3 reductase\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:26
S36	14369	204/193-194,400-435.ccls. 205/777.5-799.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:28
S37	8	S36 and (detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 nitro	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:28
S38	45	"5972638"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:38
S39	16	("4683195"   "4683202"   "4965188"   "5491084").PN. OR ("5972638").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/26 14:39
S40	1162	(nitroreductase nitro adj reductase)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/26 14:44
S41	21	(nitroreductase nitro adj reductase) and (sensor\$1 detector\$1) and electrode\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/26 14:44
S42	1	S36 and (nadp near2 oxidoreductase)	US-PGPUB; USPAT; EPO; JPO;	OR	OFF	2010/04/26 14:59

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S43	1	S36 and ("nadp.sup.+ " near2 oxidoreductase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 14:59
S44	628	nitroreductase near3 enzyme\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 15:02
S45	21	(nitroreductase near3 enzyme\$1).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 15:02
S46	959	(detect\$4 measur\$4 test\$4 ascertain\$4 analy\$4 calculat\$4 detect\$4) near5 (tnt dnt dinitrotoluene trinitrotoluene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 15:05
S47	20	S36 and S46	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/26 15:05
S48	4	("4925544"   "5154808"   "5212050").PN. OR ("5922616").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/26 15:12
S49	83	("4964972"   "5232574").PN. OR ("5443701").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/27 09:00
S50	5	S49 and (cys cysteine\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/27 09:01
S51	17	nitroreductase with (nfnb pnra)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:12
S52	10	S51 and (cystein\$1 cys)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:14
S53	33	nitroreductase same (cysteine\$1 cys)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:16
S54	56	enzyme\$1 with modif\$4 with (cysteine\$1 cys) with (bind\$4 sam\$1 (self adj assembl\$4 near3 layer\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:19
S55	77	(sams (self adj assembled adj monolayer\$1)) with (cysteine\$1 cystein\$1 cys)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:32
S56	6244	(sam\$1 (self adj assembled adj monolayer\$1)) with (cysteine\$1 cystein\$1 cys)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:35
S57	3	cysteine\$1 near2 tag\$1 with enzyme\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:43

S58	279	cysteine\$1 near2 tag\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:44
S59	104	cysteine\$1 near2 tag\$1 with (covalent\$4 bond\$4 bound\$\$ bind\$4 attach\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:44
S60	83	cysteine\$1 adj tag\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:49
S61	6	"6133431"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:55
S62	0	2003/0044769	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:58
S63	2	"20030044769"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:58
S64	130	cysteine\$1 adj tag\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:59
S65	139	cysteine\$1 adj tag\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 09:59
S66	56	S65 not S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:00
S67	32	((chung with hyun) (lee with min)).in. and cysteine\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:01
S68	1731	(cysteine\$1 cystein\$1 cys) near5 N adj terminal\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:13
S69	2	(cysteine\$1 cystein\$1 cys) near5 N adj terminal\$1 with gold\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:13
S70	450	(cysteine\$1 cystein\$1 cys) near10 (gold\$1 electrode\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:14
S71	154	(cysteine\$1 cystein\$1 cys) near2 residue\$1 near10 (gold\$1 electrode\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:14
S72	94	(cysteine\$1 cystein\$1 cys) near2 residues near10 (gold\$1 electrode\$1)	US-PGPUB; USPAT; EPO; JPO;	OR	OFF	2010/04/27 10:15

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S73	60	S71 not S72	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:36
S74	458	(cysteine\$1 cystein\$1 cys) near2 residues near5 N adj terminal\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:38
S75	457	S74 not (S71 S72)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:38
S76	115	S75 and (gold\$1 platinum\$1 electrode\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:39
S77	76	(cysteine\$1 cystein\$1 cys) near2 residues near5 N adj terminal\$1 with (bind\$4 attach\$4 ligand\$1 ligat\$4 bound\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:40
S78	0	(one near2 "or" near3 more) near5 (cysteine\$1 cystein\$1 cys) near2 residues near5 N adj terminal\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:46
S79	5	more near5 (cysteine\$1 cystein\$1 cys) near2 residues near5 N adj terminal\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:46
S80	12	more near5 (cysteine\$1 cystein\$1 cys) near5 N adj terminal\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:47
S81	125	more near5 (cysteine\$1 cystein\$1 cys) near5 enzyme\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:50
S82	6	more near5 (cysteine\$1 cystein\$1 cys) near5 (gold electrode\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:50
S83	10	more near5 (cysteine\$1 cystein\$1 cys) with (gold electrode\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:51
S84	195	more near5 (cysteine\$1 cystein\$1 cys) with enzyme\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:52
S85	6	more near5 (cysteine\$1 cystein\$1 cys) near5 enzyme\$1 with (ligand\$1 ligat\$4 bind\$4 bound\$4 attach\$4 immobiliz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:52
S86	131	more near5 (cysteine\$1 cystein\$1 cys) near5 (enzyme\$1 electrode\$1 gold)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 10:57
S87	81	more near3 (cysteine\$1 cystein\$1 cys)	US-PGPUB;	OR	OFF	2010/04/27

		near5 (enzyme\$1 electrode\$1 gold)	USPAT; EPO; JPO; DERWENT			10:57
S88	8	(cysteine\$1 cystein\$1 cys) near5 (enzyme\$1) near5 (electrode\$1 gold)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 11:11
S89	4	(cysteine\$1 cystein\$1 cys) near2 tag\$4 with (electrode\$1 gold)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 11:16
S90	351	(cysteine\$1 cystein\$1 cys) near5(electrode\$1 gold)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 11:16
S91	351	(cysteine\$1 cystein\$1 cys) near5 (electrode\$1 gold)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 11:16
S92	122	(cysteine\$1 cystein\$1 cys) near2 (molecule\$1 unit\$1 residue\$1) near5 (electrode\$1 gold)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 11:17
S93	3444	204/403.01-403.15.ccls. 205/777.5- 781.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 11:34
S94	86	S93 and shield\$4 near3 electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 11:34
S95	0	S93 and shield\$4 near3 electrode\$1 with electrostatic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 11:34
S96	38	S94 and biosensor\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 11:35
S97	1007	reductase with (cysteine\$1 cys cystein\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 15:21
S98	13	reductase with (cysteine\$1 cys cystein\$4) with (electrode\$1 gold\$ glassy)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 15:22
S99	409	reductase with (cysteine\$1 cys cystein\$4) with (ligand bind\$4 bound\$4 covalent\$4 attach\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 15:23
S100	21	reductase with (cysteine\$1 cys cystein\$4) near2 (residues molecules units) with (ligand bind\$4 bound\$4 covalent\$4 attach\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/27 15:24
S103	2	((jane with grove) (peter with searle)).in. and nitroreductase.ti.	EPO; JPO; DERWENT	OR	OFF	2010/05/20 14:58
S104	0	cysteine and nitro adj reductase	EPO; JPO;	OR	OFF	2010/05/20



			DERWENT			15:15
S105	0	cystein\$ and nitro adj reductase	EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:15
S106	74	enzyme\$1 with (cystein\$3 cys) with (gold "au" electrode\$1 platinum "pt")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:16
S107	231	enzyme\$1 with (cystein\$3 cys) with (gold "au" electrode\$1 platinum "pt" silver "ag" copper "cu")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:18
S108	125	enzyme\$1 with (cystein\$3 cys) with (gold "au" electrode\$1 platinum "pt" silver "ag")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 15:18
S109	3468	204/403.01-403.15.ccls. 205/777.5- 781.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 16:27
S110	38	S109 and (diffus\$4 permeab\$4) with (polycarbonate polyacrylate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 16:27
S111	0	S109 and (diffus\$4 permeab\$4) with (polyacrylate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 16:34
S112	5	S109 and (polyacrylate) near2 (layer\$1 membrane\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/20 16:34
S113	3741	204/403.01-403.15.ccls. 205/777.5- 781.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/02/08 14:41
S114	35	S113 and (nitrobenzene nitroaromatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/02/08 14:41
S115	4	nitroreductase\$1 and electrochemical near2 (sensor\$1 detector\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/02/08 14:48
S116	1	"20040219523"	USPAT	OR	OFF	2011/12/09 13:43

12/16/2011 11:31:59 AM

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